

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
October - December, 2010**

Sl. No.	PARAMETER	RESULT					
		STATION CODE: 2050 River Tlawng, Upstream	STATION CODE: 2051 River Tlawng, Downstream	STATION CODE: 2052 River Tuirial, Uppercatchment	STATION CODE: 2053 River Tuirial, Lowercatchment	STATION CODE: 2054 Ramhlun North Tuikhur ( Spring Water)	STATION CODE: 2055 Mission Vengthlang Tuikhur (Spring Water)
1	Velocity of Flow	0.8 m/s	0.7 m/s	0.7 m/s	0.5 m/s	N/A	N/A
2	Water Temperature	23°C	23°C	27°C	27°C	21°C	22°C
3	Dissolved Oxygen	6.5 mg/L	6.4 mg/L	6.2 mg/L	5.6 mg/L	4 mg/L	4.4 mg/L
4	pH	7.1	7	6.9	6	5.8	5.4
5	Conductivity	194 µs/cm	230 µs/cm	282 µs/cm	257 µs/cm	97 µs/cm	145 µs/cm
6	BOD	1.0 mg/L	1.3 mg/L	1.8 mg/L	1.0 mg/L	1.9 mg/L	2.7 mg/L
7	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.106 mg/L	0.104 mg/L	0.112 mg/L	0.114 mg/L	0.136 mg/L	0.130 mg/L
8	Total Coliform	24 MPN	44 MPN	14 MPN	120 MPN	210 MPN	53 MPN
9	Faecal Coliform	3 MPN	0 MPN	7.2 MPN	23 MPN	43 MPN	3 MPN
10	Turbidity	10 NTU	18 NTU	12 NTU	10 NTU	2 NTU	2 NTU
11	Carbonate as CaCO <sub>3</sub> (Alkalinity)	39.4 mg/L	49.2 mg/L	65 mg/L	59.1 mg/L	49.2 mg/L	128 mg/L
12	Chloride	8.1 mg/L	10.2 mg/L	12.2 mg/L	59.2 mg/L	59.2 mg/L	75.5 mg/L
13	Nitrogen Ammonia (N-NH <sub>3</sub> )	1.1 mg/L	1.2 mg/L	0.8 mg/L	1.0 mg/L	0.8 mg/L	1.0 mg/L
14	Total hardness as CaCO <sub>3</sub>	30 mg/L	82 mg/L	50 mg/L	70 mg/L	90 mg/L	170 mg/L
15	Calcium	6.4 mg/L	20 mg/L	11.2 mg/L	13.6 mg/L	18.4 mg/L	37.6 mg/L
16	Magnesium	3.3 mg/L	7.6 mg/L	5.2 mg/L	8.6 mg/L	10.5 mg/L	18.2 mg/L
17	Sodium	29.5 mg/L	35 mg/L	30 mg/L	24.5 mg/L	45 mg/L	25 mg/L
18	TDS	40 mg/L	60 mg/L	40 mg/L	50 mg/L	200 mg/L	80 mg/L
19	TSS	580 mg/L	510 mg/L	150 mg/L	540 mg/L	90 mg/L	40 mg/L
20	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.445 mg/L	0.437 mg/L	0.252 mg/L	0.293 mg/L	0.348 mg/L	0.383 mg/L